

What is claimed is:

1. A solid lubricant system for use in the production of metal powder compacted parts, said solid lubricant system being capable of forming a liquid phase upon application of pressure.
2. A solid lubricant system as set forth in claim 1 comprising a fatty acid.
3. A solid lubricant system as set forth in claim 2 wherein said fatty acid comprises lithium stearate.
4. A solid lubricant system as set forth in claim 1 that displays a viscosity of from about 1000 to about 6000 poise at a shear rate of 1000 ¹/second.
5. A solid lubricant system as set forth in claim 1 for use as a die wall lubricant.
6. A solid lubricant system as set forth in claim 1 comprising a fatty acid material and a guanidine material.
7. A solid lubricant system as set forth in claim 1 comprising a guanidine material.
8. A solid lubricant system as set forth in claim 1 comprising a synthetic wax and a fatty acid ester.
9. A solid lubricant system as set forth in claim 1 comprising an amide wax.
10. A solid lubricant system as set forth in claim 2 wherein said fatty acid comprises stearic acid.
11. A solid lubricant system as set forth in claim 2 wherein said fatty acid comprises lauric acid.
12. A solid lubricant system as set forth in claim 2 wherein said fatty acid comprises a mixture of stearic acid, palmitic acid and lauric acid.

13. A solid lubricant system as set forth in claim 7 wherein said guanidine material comprises guanidine stearate
14. A solid lubricant system as set forth in claim 7 wherein said guanidine material comprises guanidine ethyl-neonate.
15. A solid lubricant system as set forth in claim 7 wherein said guanidine material comprises a mixture of guanidine stearate and guanidine ethyl-hexonate.
16. A composition for use in forming a pressed ceramic part comprising a mixture of a ceramic powder and a solid lubricant system, at least a portion of said solid lubricant system converting to a liquid phase upon application of pressure to said composition.
17. A composition as set forth in claim 16 wherein said lubricant system comprises a fatty acid material and a guanidine material.
18. A composition as set forth in claim 16 wherein said lubricant system comprises a guanidine material.
19. A composition as set forth in claim 16 wherein said lubricant system comprises a synthetic wax and a fatty acid ester.
20. A composition as set forth in claim 18 wherein said guanidine material comprises guanidine stearate.